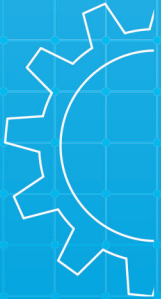


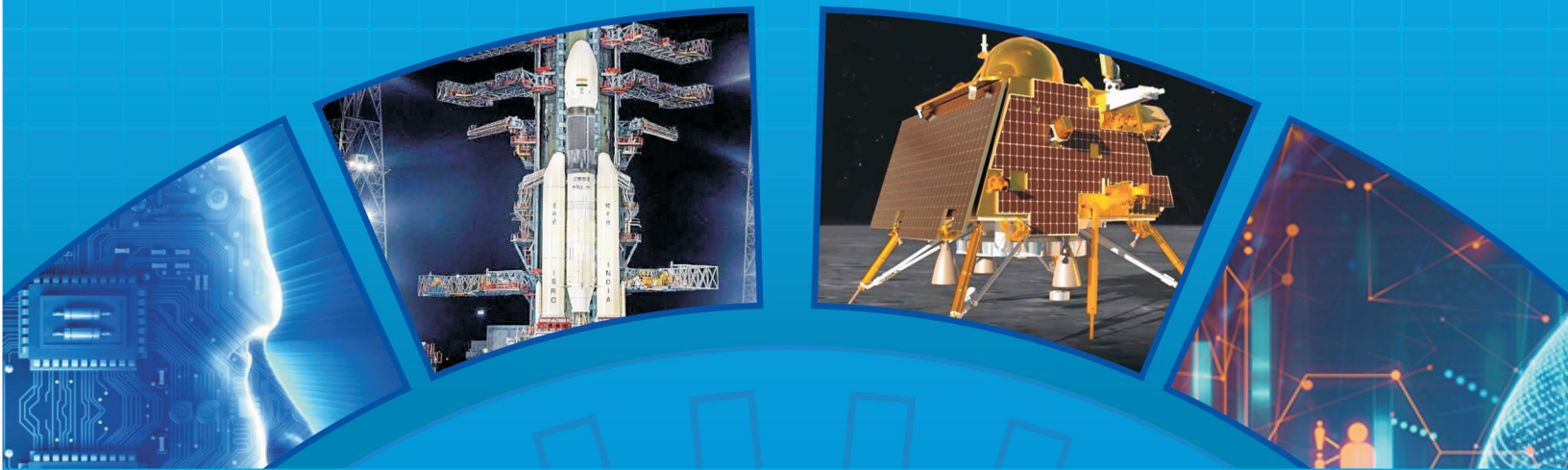
38th INDIAN ENGINEERING CONGRESS

DECEMBER 27-29, 2023, JABALPUR (MP)



Theme:

**Reimagining Tomorrow:
Shaping the Future through
Disruptive and Interdisciplinary Technologies**



Organised by:

The Institution of Engineers (India)

Host:

JABALPUR LOCAL CENTRE

Technical Partner



Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal
(State Technological University of M P)

Venue: Hotel Royal Orbit, Nagpur Road, Jabalpur (M.P.)

About

INDIAN ENGINEERING CONGRESS



The Institution of Engineers (India) has a rich history of convening Annual General Meetings, Annual Sessions, and Annual Conventions across diverse locations in our nation. These gatherings serve as a platform to evaluate our activities and objectives. Over time, the Annual Convention has metamorphosed into the renowned Indian Engineering Congress, aiming to facilitate extensive interactions and knowledge exchange among engineers, both within India and from around the world. This annual event is organized to cater to the comprehensive needs of our engineering community.

The genesis of the Indian Engineering Congress can be traced back to 1987 when it was inaugurated by the esteemed Late Shri Rajiv Gandhi, the then Prime Minister of India, in Kolkata. Subsequently, it has been graced by notable dignitaries, including Shri N Chandrababu Naidu, the Hon'ble Chief Minister of Andhra Pradesh, who inaugurated the 15th Indian Engineering Congress in Hyderabad in 2000. Notably, Late Shri Pranab Mukherjee, the Hon'ble President of India, inaugurated the 27th Indian Engineering Congress in New Delhi in 2012 and the 28th Indian Engineering Congress in Chennai in 2013.

The esteemed list of inaugural guests also includes Shri E S L Narasimhan, the Hon'ble Governor of Telangana & Andhra Pradesh, who marked the inauguration of the 29th Indian Engineering Congress in Hyderabad in 2014. Shri Tathagata Roy, the Hon'ble Governor of Tripura, inaugurated the 30th Indian Engineering Congress in Guwahati in 2015, while Shri Keshari Nath Tripathi, the Hon'ble Governor of West Bengal, did the honors at the 31st Indian Engineering Congress in Kolkata in 2016. Dr. Tamilisai Soundararajan, the Hon'ble Governor of Telangana, was the distinguished guest at the inauguration of the 34th Indian Engineering Congress in Hyderabad in 2019.

In 2020, due to the pandemic, the 35th Indian Engineering Congress was conducted online. Dr Harsh Vardhan, the Hon'ble Minister of Health and Family Welfare, Science and Technology, and Earth Sciences, Government of India, graced the occasion as the Chief Guest, inaugurating the Congress session in the virtual domain.

The Indian Engineering Congress has evolved into a revered annual tradition of the Institution, fostering knowledge dissemination and the exchange of ideas among professionals and enthusiasts in the engineering field. It stands as a testament to our commitment to engineering excellence and innovation.

Message from the

President.....



It is a matter of great pleasure that the Jabalpur Local Centre of The Institution of Engineers (India) will be hosting the 38th Indian Engineering Congress from December 27 to 29, 2023. Jabalpur city is renowned for its enchanting natural beauty, serene ambiance, and rich cultural heritage.

The theme, “Reimagining Tomorrow: Shaping the Future through Disruptive and Interdisciplinary Technologies,” embodies engineering’s core values: innovation, collaboration, and a brighter future. It challenges engineers, professionals, and scholars to actively engineer a transformative future amid boundless innovations.

This theme emphasizes the intersection of engineering disciplines, fostering groundbreaking innovation by merging various fields to solve complex challenges. Diverse sub-themes, from nanomaterials to secure digital networks, highlight engineering’s all pervasive nature.

Noteworthy themes like sustainable resource management and food security underscore engineering’s role in inclusivity and sustainability. “Reimagining Tomorrow” invites engineers to explore uncharted territories, where disruptive technologies and interdisciplinary collaboration drive technological progress. I commend the organizers for their dedication in bringing together engineering minds to discuss these vital issues. Together, we will decipher today’s challenges, inspire innovation, and design a future that showcases human potential. I eagerly await the enlightening discussions, innovative ideas, and collaborative spirit that will define this Congress. It’s an honour to be part of a community driving change and creating a more sustainable future through engineering.

I wholeheartedly invite all engineers, professionals, and enthusiasts to join us in making the 38th Indian Engineering Congress a grand success. Your participation and contributions are crucial in shaping the future of engineering and driving progress in our world.



Er Shivanand Roy
Engineer-in-Chief (Retd.)
WRD, Govt. of Jharkhand

THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform to share professional interest. IEI has membership strength of above 0.9 million. Established in 1920, with its headquarter at 8, Gokhale Road, Kolkata-700020, IEI has served the engineering fraternity for over a century. In this period of time it has been inextricably linked with the history of modern-day engineering. In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions amongst professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 125 Centres located across the country. The Institution also provides grant-in-aid to its members to conduct research and development on engineering subjects. IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Govt. of India and provides Grant-in-Aid to UG/PG/PhD students of Engineering Institutes & Universities. IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The Institution also awards the Professional Engineers (PE) Certification.

In order to create sharp focus on National priority areas, The Institution of Engineers (India) has established the following Organ and Fora to work in close co-operation with the stakeholders in the respective fields.

- a) Engineering Staff College of India (ESCI), Hyderabad for providing continuing education and Research & Development, is an autonomous Organ of IEI
- b) Disaster Awareness and Management Forum (DAMF), Uttarakhand to promote and propagate the concept of DAMF and to facilitate exchange of ideas and opinions pertaining to it.

- c) National Design and Research Forum (NDRF), Bangalore to encourage design & research talents in engineering and technology
- d) National Skill Development Forum (NSDF), Shimla to enhance skill of engineering and technical personnel
- e) Rural Development Forum (RDF), Kolkata to encourage and promote multifaceted development of rural India
- f) Safety and Quality Forum (SQF), New Delhi to address the aspects of Safety and Quality in Engineering Profession
- g) Sustainable Development Forum (SDF), Patna for expression of authoritative views on technologies for sustainable development and for enunciating practical solutions to the problems faced by India
- h) Water Management Forum (WMF), Ahmedabad to promote and advance the engineering and practice of water resources management in its totality.
(For further details, please visit: www.ieindia.org)

ABOUT THE HOST CENTRE

Following the reorganization of states on November 1, 1956, the Mahakoshal region, which was formerly under the Madhya Pradesh Centre in Nagpur, was amalgamated with the Madhya Bharat and Vindhya Pradesh regions to create the new state of Madhya Pradesh. Simultaneously, the districts of Nagpur and Berar became part of the new Bombay state. This significant political shift led to a pressing demand from members of the Institution of Engineers (India), representing a diverse array of professionals employed in state and central government departments, industrial organizations, and various sectors, for the establishment of a center in the newly formed state of Madhya Pradesh.

As a result of this demand, the President of The Institution of Engineers (India) made the pivotal decision in January 1959 to establish the Madhya Pradesh Centre in Jabalpur. Subsequently, during a meeting of the Corporate Members of the Madhya Pradesh State at the Shaheed Smarak building in Jabalpur on January 21, 1959, Er S. P. Chakravarti, who served as the Principal of Jabalpur Engineering

College, was unanimously elected as the inaugural Chairman of the Madhya Pradesh Centre. Additionally, eleven other distinguished members were elected as the initial members of the M.P. State Centre Committee.

In a later development, in 1976, the Madhya Pradesh State Centre was relocated to Bhopal, the capital of the state of Madhya Pradesh. Today, the Jabalpur Local Centre boasts nearly 2000 members, contributing to the growth and progress of the engineering community in the region.

TECHNICAL PARTNER

Rajiv Gandhi Proudlyogiki Vishwavidyalaya

Established in the year 1998, by Madhya Pradesh Vidhan Sabha Act 13, 1998. Over a sprawling Campus of about 247 acres, the Rajiv Gandhi Proudlyogiki Vishwavidyalaya is marching towards development into a center of excellence in the arena of Technical Education, Research and Innovations. Under its umbrella there are 05 UTD's, 200 Affiliated Engineering Colleges, 98 Pharmacy Colleges, 95 MCA Colleges and 04 Architecture Colleges imparting Graduate level instructions running 17 under graduate level courses, 57 Polytechnic institutions offering diploma courses in emerging and conventional disciplines. Situated amidst an aesthetic and hilly surrounding, the University is now offering PhD and 11 post-graduate courses in five University Teaching Departments under the faculties of Information Technology, Pharmaceutical Sciences, Nano Technology, Biotechnology, Energy Technology, Civil Engineering Electrical Engineering and Mechanical Engineering keeping in tune with the needs of the ever expanding Global Knowledge Economy. The affiliated colleges and the University Departments conduct a good number of conventional and emerging multidisciplinary programmes. Some of the affiliated colleges have been permitted to impart Post Graduate teaching. It is really encouraging to put on record that the University has kept abreast of the proliferation of new domains of knowledge introducing world class research oriented post graduate programmes in Computer Technology and Applications, Quality Assurance in Pharmaceutical Sciences, Power System and Energy Technology in its campus.

KNOWLEDGE PARTNER

Indian Institute of Information Technology, Design & Management (IIITDM)

The Indian Institute of Information Technology Design & Manufacturing (IIITDM) Jabalpur was established in January 2005 to address the evolving challenges in commerce, industry, and engineering education in India.

To bridge the gaps between traditional engineering education formats and demands of IT-driven market, the Ministry of Human Resource Development (MHRD), Government of India, established IIITDM Jabalpur. The institute aims to promote excellence in the areas of IT, Design & Management and foster interdisciplinary education and research to enhance the competitive advantage of Indian products in global markets.

This institute addresses the changing landscape of commerce, industry, and engineering education, positioning India to thrive in the modern manufacturing environment.

AIM OF THE CONGRESS

The aim of the Indian Engineering Congress is to enlighten the technical fraternity about the developments in various fields of Engineering and thereby enabling them to face the future challenges and ensure development of the nation.

THE OBJECTIVES OF THE CONGRESS

The Congress will provide a Forum:

- To have discussion around the theme to promote ideas, broaden operational horizon of engineers from different disciplines, and to pursue newer domains and concepts
- For exchange of information, updating knowledge and stimulating a sense of responsibility in their professional work
- To foster international and national co-operation in the engineering fields
- To inculcate and promote a growing commitment to the social objective of the profession
- To promote engineering practices that lead to sustainable development.

Theme

Reimagining Tomorrow: Shaping the Future through Disruptive and Interdisciplinary Technologies

In a landscape of boundless innovation, the theme “**Reimagining Tomorrow: Engineering the Future through Disruptive and Interdisciplinary Technologies**” summons engineers, professionals, and scholars to not only envision a future of transformation but to intricately engineer its very fabric.

Disruption is the crucible of engineering innovation. This theme delves into the avant-garde engineering advancements reshaping industries, dismantling conventions, and crafting a narrative of progression.

The intersection of engineering disciplines cultivates fertile ground for groundbreaking innovation. This theme champions the convergence of disciplines resulting in a symphony of thought that orchestrates solutions for intricate, multifaceted challenges.

Sub-Themes:

Nanomaterials for Sustainability: Nanostructures revolutionize pollution control, energy conversion, and sustainable manufacturing, redefining industries.

Biomimicry in Architecture: Energy-efficient structures inspired by nature, enhanced by AI for sustainable living.

Smart Energy Grids-Shaping Sustainable Power: Renewable energy grids empowered by blockchain and AI for efficiency and reliability.

Additive Manufacturing Evolution: AI-driven 3D printing reshaping production lines sustainably and efficiently.

Marine Tech for Ocean Health: Pioneering ocean-friendly technologies and AI-guided marine drones for ecosystem preservation.

Aerospace Advancements: Advanced aerospace materials and hypersonic travel redefining space exploration.

Neuromorphic Computing: Brain-inspired computing and efficient digital human interactions through AI.

Wearable Tech and Smart Textiles: IoT-connected wearables redefining human interaction and industries.

Sustainable Chemical Processes: Waste-minimizing chemical processes with blockchain and AI-driven resource optimization.

Materials for Extreme Environments: Resilient alloys for space exploration and high-stress applications through quantum computing.

Smart Infrastructure: Adaptive, self-monitoring infrastructure enhanced by AI for sustainability and livability.

Circular Economy Solutions: Resource-efficient processes and IoT-enabled recycling systems shape circular economies.

Secure Networks in the Digital Era: Intelligent networks with blockchain and AI-driven cyber security for trust in the interconnected world.

Mining Engineering for Sustainable Resource Management: Sustainable resource extraction and responsible mining practices.

Agricultural Engineering for Food Security: Precision agriculture and sustainable farming for food security.

“Reimagining Tomorrow” isn’t just a theme—it’s an odyssey. It beckons engineers to pioneer the uncharted, where the interplay of disruptive technologies and interdisciplinary fusion crafts a narrative of progress. Engineers translate the abstract visions of tomorrow into tangible realities, sculpting a future that surmounts boundaries and perpetually aspires to the zenith of human innovation.

In essence, the theme encapsulates engineering’s essence: the audacity to challenge, the acumen to integrate, and the artistry to forge. It is a salute to the engineers who decipher the enigmas of today, orchestrate the symphonies of innovation, and architect a future that stands as a testament to human potential.

CALL FOR PAPERS

Engineering professionals from industries, R&D organizations, academic institutions, and government departments are invited to contribute papers on the theme and sub-themes of the Congress and under each of the 15 engineering disciplines. The papers should focus on sharing the experience, concepts, developmental ideas, research findings, etc. Those who intend to submit a paper may please note the scheduled dates given below.

An abstract not exceeding 500 words must be attached to the paper in the beginning. The abstract should give details, such as, title of the paper, author(s) name(s), affiliation, full mailing address, phone, and e-mail address. The paper should be limited to six (6) typed pages of A4 size paper, including text, figures, tables, charts. etc. Only soft copy (in CD using MS Word) of the paper along with hard copy should be mailed to the Director Technical, IE(I) (iectech@ieindia.org).

IMPORTANT DATES (REVISED)

Event	Date
Synopsis:	31 st Oct 2023
Intimation of Acceptance of Synopsis:	15 th Nov 2023
Submission of full-text:	20 th Nov 2023
Intimation to Author with Session Details:	30 th Nov 2023

MEMORIAL LECTURES

Eight Memorial Lectures have been instituted by IEI in memory of the outstanding Engineers. These lectures form an important part of the Congress.

- ❖ The 66th Sir Mokshagundam Visvesvaraya Memorial Lecture
- ❖ The 45th Sir Rajendra Nath Mookerjee Memorial Lecture
- ❖ The 36th Dr Ajudhia Nath Khosla Memorial Lecture
- ❖ The 58th Nidhu Bhushan Memorial Lecture
- ❖ The 49th Bhaikaka Memorial Lecture
- ❖ The 32nd Dr Amitabha Bhattacharyya Memorial Lecture
- ❖ The 13th Prof C S Jha Memorial Lecture
- ❖ The 9th Dr K L Rao Memorial Lecture

GLIMPSES OF ENGINEERING PERSONALITIES

The success stories and achievements of engineering personalities will be presented in the Congress followed by felicitation. The Indian Engineering Congress offers a unique opportunity to the budding engineers to listen to the experts/veterans from industries, research institutions and institutions of higher academic excellence, narrating their experience in tackling various engineering problems of complex nature during their professional career.

IEI INDUSTRY EXCELLENCE AWARD

The benchmarks created by the industries in India have included productivity, quality, safety and performance assurance thereby giving India the rightful place in the global markets. Realizing that such industries can provide the leadership to a large number of other industries in the country, the IEI Industry Excellence Awards were instituted in the year 2008, so as to recognize industry leaders for their innovations, excellence in engineering operations and thereby enable them to lead their industry in a competitive manner.

Industry excellence award will also be given away to the selected industry/organizations during Indian Engineering Congress.

IEI ENGINEERING EDUCATION EXCELLENCE AWARD

The Institution of Engineers (India) over the past 100 years has established its rich legacy towards the cause of promotion and advancement of the science, practice and business of Engineering through a multitude of activities. The number of academic institutions offering a degree or equivalent program in engineering/ technology has grown up significantly over the last few years. There is a need to identify the leading Engineering Educational Institutions for others to provide better and effective engineering education to the seekers. In view of the above, it has been decided to institute 'Engineering Education Excellence Award 2023' with the prime objective of recognizing the best Educational Institutions in the field of engineering & technology across the country. The award will be given away during the 38th Indian Engineering Congress.

INTERNATIONAL MEET

Indian engineers and technologists have played a significant role in the advancement of engineering practice within and outside the country. The IEI also welcomes Engineers and Technologists from foreign countries to participate in the Congress and share the global best practices. Besides, the members of international bodies with whom IEI has bilateral relations will be invited to attend the Engineering Congress.

IEI ALUMNI MEET

The Indian Engineering Congress provides an opportunity for IEI Alumni/Alumna for a reunion with their counterparts and is also expected to play a mentors role for the younger generation.

WOMEN ENGINEERS' MEET

IEI recognizes the role being played and contributions being made by women engineers and provides an

opportunity in the Congress for women engineers to network and participate in the deliberations.

PRIZES & AWARDS

The achievements of contribution at research level as well as societal developmental process are being recognized through several categories of Prizes and Awards given away by the Institution.

TECHNICAL EXHIBITION

A technical Exhibition is being organized to provide ample opportunity to show case industry products from all engineering fields to Stakeholders attending the Congress.

WHO WILL ATTEND

- Engineers from all sectors – state and central govt., public enterprises, industries and services
- Academia – Student, Faculty and Management
- Research – Scientists and Engineers from all segments of R & D establishments – Defense, aerospace, Industrial R&D
- Corporate members of IEI, Technician student members of IEI
- International participation
- Members from other Engineering Professional bodies.

KEY TAKEAWAYS

Stay Current: Gain insights into the latest developments in your discipline.

Future-Ready: Understand challenges and solutions in futuristic technology.

Career Trends: Identify emerging career paths in engineering and technology.

Collaborate: Build partnerships and explore collaboration opportunities.

Networking: Expand your knowledge network with experts and peers.

Marvel at Innovation: Experience engineering marvels at the Technical Exhibition.

REGISTRATION FEE

Corporate Members	INR 2000/-	GST 18% applicable extra
Non Corporate Members	INR 3000/-	
Spouse of Corporate Member	INR 1700/-	
Technicians & Students	INR 1500/-	
International Delegates	US\$ 500	

HOW TO REGISTER

Registration can be done online at www.38iec.org

Registration form alongwith DD/Payment acknowledgment may be sent to Organising Chairman by post/email at 38iecjabalpur@gmail.com.

SPONSORSHIP OPPORTUNITIES

Category	Amount		No of Free Delegates	Advertisement in Souvenir	Exhibition Stall
Diamond	INR 8,00,000/-	GST 18% applicable extra	12	Spread Page	Two
Platinum	INR 5,00,000/-		10	Full Page Colour	One
Gold	INR 3,00,000/-		8	Full Page Colour	Nil
Silver	INR 2,00,000/-		5	Full Page Colour	Nil
Bronze	INR 1,00,000/-		4	Full Page Colour	Nil

OTHER SPONSORSHIP OPPORTUNITIES AND PACKAGES

Categories	Amount		No of Free Delegates
Seminar Kit	INR 3,00,000/-	GST 18% applicable extra	5
Congress Dinner	INR 3,00,000/-		4
Cultural Event & Dinner	INR 3,00,000/-		4
Lunch for one day	INR 2,00,000/-		3

Company Logo of all the Sponsors will be suitably displayed at the Backdrop at the other suitable places. The other opportunities to sponsors are also available such as sponsoring the Congress Lunches, Cultural Program, Congress Dinner & Seminar Kit.

ADVERTISEMENT AND EXHIBITION STALL TARIFFS

On this occasion, a coloured Souvenir will be published and distributed to industry leaders, technical academic institutions, research organizations, and government entities both in India and abroad. The Souvenir offers excellent opportunities for organizations to showcase their presence through advertisements. The organizers will also offer dedicated exhibition stalls for organizations to engage with attendees and promote their products and services effectively. The tariffs and entitlements are provided hereunder.

Categories	Amount, INR		No of Free Delegates
Back Cover Page	1,00,000/-	GST 18% applicable extra	3
Inner back Page	75,000/-		2
Inner Front Page	75,000/-		2
Full Page (Inside)	50,000/-		1
Half page (Inside)	25,000/-		Nil
Exhibition Stall (Corner)	75,000/-		1
Exhibition Stall (Standard)	50,000/-		1

PAYMENT DETAILS

All payments by registered participant sponsors, advertisement providers, exhibition stall should be remitted in the form of Demand Draft/Cheque in favour of “**The Institution of Engineers (India), Jabalpur Local Centre**”. The bank details are as under.

Name of Bank: UCO Bank
Branch: Navyug College Branch, South Civil Lines, Jabalpur, MP
A/C Name: The Institution of Engineers (India) 38 Indian Engineering Congress
A/C Number: 20020210001387
IFSC Code: UCBA0002002

FOR MORE DETAILS CONTACT



ER RAKESH RATHORE

Organising Chairman
(M: 94251 53689)



BRIGADIER V K TRIVEDI

Organising Secretary
(M: 9424768476)



DR MUKTA BHATELE

Joint Organising Secretary
(M: 94251 44786)

CONGRESS SECRETARIAT

38th Indian Engineering Congress
The Institution of Engineers (India), Jabalpur Local Centre
Visvesvaraya Marg, Civil Lines, Jabalpur 482 001
Tel: 0761-2678929, Fax: 0761-2678929, Email: 38iecjabalpur@gmail.com

NATIONAL STEERING COMMITTEE

Chairman	:	Er Shivanand Roy, President, IEI
Co-Chairman	:	Dr Hemant O Thakare, Immediate Past President, IEI
	:	Er Narendra Singh, Past President, IEI
Members	:	Dr G Ranganath, President-Elect, IEI
	:	Er Mahendra Ratanlal Kothari, Vice President, IEI
	:	Prof (Dr) M Chowde Gowda, Vice President, IEI
	:	Dr T M Gunaraja, Chairman, Organising Committee, 37 th IEC
	:	Er Rakesh Kumar Rathore, Chairman, Organising Committee, 38 th IEC
	:	Er Rajesh Bisaria, Council Member, IEI
	:	Prof (Dr) Ms Shilpa Tripathi, Council Member, IEI
	:	Er Prakash Chandra Dubey, Chairman, Jabalpur Local Centre, IEI
	:	Brig Vipin Kumar Trivedi, Organising Secretary, 38 th IEC
Special Invitees	:	Dr Mukta Bhatele, Joint Organising Secretary, 38 th IEC
	:	Er Jagdish Chand Singhal, Council Member, IEI
	:	Er Kishore Kumar Mehrotra, Council Member, IEI
Ex-officio Secretary	:	Er Devendra Gill, Council Member, IEI
	:	Maj Gen (Dr) MJS Syali, VSM (Retd), Secretary & Director General, IEI

Note:

GRANT OF SPECIAL CASUAL LEAVE FOR GOVERNMENT OFFICERS ATTENDING MEETINGS OF SCIENTIFIC INSTITUTIONS

An extract from Notification No. 74(4) /50-SR.III dated July 28, 1951 printed in the Bulletin Vol. I No. 1 September 1951, p-28 and No. 227(7)/ 50-SR, III dated December 10, 1953 printed in the Bulletin, Vol. 3 No 3 March 1964, p-14, issued by the Ministry of Natural Resources and Scientific Research, Government of India in regard to the grant of casual leave to such officers who desire to attend Meetings of scientific associations

WELCOME TO JABALPUR

Jabalpur city is in the central part of India with the Tropic of cancer passing through it. It lies just north of the Narmada River in a rocky basin surrounded by low hills that are dotted with lakes and temples. The climate is humid subtropical which is typical of North-Central India. The temperature in December would vary between 20 to 10 degrees Celsius. Narmada, Vanganga and Hiran are the major rivers which flow through Jabalpur. Narmada is the largest among all the rivers and has many tributaries. Topography of the city is truly admirable. The rocky hills all around Jabalpur are full of mineral deposits and ancestral remains. The mesmerizing view of Narmada surrounded by marble rocks is a major tourist attraction in Jabalpur.

Major forest reserves are Bandhavgarh & Kanha, which both are worth visiting and are 194 Km and 125 Km respectively by road.



Bhedaghat



Dhuandhar Falls



Marbel Rocks



Bargi Dam

ACCOMMODATION

Accommodation for delegates is available in many hotels in Jabalpur. Budget & Luxury hotels are

<p>Hotel Satya Ashoka LL No :- 0761-4016858, Mobile :- 9993529911 Mail: hotelsatyaashoka@hotmail.com Website:- hotelsatyaashoka.com</p>	<p>Hotel Jabali Palace LL No: 0761-2673072 Mobile: 88188 06444, 88188 06111 Mail: jabalipalace@hotmail.com</p>
<p>Hotel Narmada Jacksons LL No :- 0761-4001122, Mobile :- 7415800008 Mail: hoteljacksons@hotmail.com Website :- narmadajacksons.com</p>	<p>Hotel MPT Kalchuri Residency Contact No: 9584003002. LL: 0761-2678491 to 93 Mail: info@mptourandtravels.com</p>
<p>Vijan Mahal Hotel LL No :- 0761-4076666, Mobile :- 9109178995 Mail: reservations@vijanmahal.com Website: vijanmahal.com</p>	<p>Shawn Elizey Hotel LL No :- 18008903121, Mobile :- 9424348877 Mail: shawnelizey@gmail.com Website: shawnelizey.com</p>

TENTATIVE PROGRAMME MATRIX

38th Indian Engineering Congress
27th-29th December 2023, Hotel Royal Orbit, Jabalpur


27 th Dec	08.00 h - 10.00 h	Registration
	10.00 h -11.30 h	Inaugural Ceremony Presentation of Industry Excellence Award, Engineering Education Excellence Award, Safety & Quality Awards and Institution Prizes(4 Categories) Release of Technical Volume of Congress Release of Abhiyanta Bandhu
	11.30 h -11.45 h	Tea
	11.45 h -12.30 h	66th Sir M Visvesvaraya Memorial Lecture
	12.30 h -13.00 h	Inauguration of Congress Seminar
	13.00 h -13.45 h	Lunch
	13.45 h -14.45 h	Glimpses of Engineering Personalities
	14.45 h -15.30 h	49th Bhaikaka Memorial Lecture
	15.30 h -17.15 h	IEI Prizes & Awards
	18.30 h -20.30 h	Cultural Programme
	20.30 h onwards	Congress Dinner
28 th Dec	09.30 h - 10.15 h	45th Sir Rajendra Nath Mookerjee Memorial Lecture
	10.15 h - 11.00 h	Technical Session -I
	11.00 h - 11.15 h	Tea
	11.15 h - 12.15 h	Technical Session-II
	12.15 h - 13.00 h	58th Nidhu Bhushan Memorial Lecture
	13.00 h - 13.30 h	Women Engineers' Meet
	13.30 h - 14.15 h	Lunch
	14.15 h - 15.15 h	Technical Session -III
	15.15h - 16.00 h	36th Dr A N Khosla Memorial Lecture
	16.00h - 16.45 h	International Meet
	16.45h - 17.45 h	Alumni Meet
	17.45h - 18.45 h	Technical Session IV
		723rd Adjourned Council Meeting
19.00 h - 20.30 h	Cultural Programme	
29 th Dec	09.30 h - 10.30 h	Technical Session V
	10.30 h - 11.15 h	32nd Dr Amitabha Bhattacharyya Memorial Lecture
	11.00 h - 11.15 h	Tea
	11.45 h - 12.30 h	13th Prof C S Jha Memorial Lecture
	12.30 h - 13.15 h	9th Dr K L Rao Memorial Lecture
	13.15 h - 14.00 h	Lunch
	14.00 h - 15.00 h	104th Annual General Meeting (Corporate Members of IEI), Presentation of Best Centre Award
	15.15 h - 16.15 h	Concluding Session of Congress Seminar
	17.45 h - 18.25 h	Valedictory Session – Chief Guest: Release of Annual Technical Volumes of Division Boards and Committees, Release of Students Journal
19.00h	724th Council Meeting	



Rani Durgawati Museum



Sangam Sagar Lake



Rani Durgawati

Rani Durgawati (5 October 1524 – 24 June 1564) was the ruling Queen of Gondwana from 1550 until 1564. Rani Durgawati promoted peace, trade, and good will throughout her realm. She was well aware of the importance of water conservation and hence she built more than 85 ponds & lakes in Jabalpur, mainly Ranital, Haathital, Madhatal and Hanumantal.

Diwan Beohar Adhar Simha and Minister Man Thakur helped the Rani in looking after the administration successfully and effectively. It was a prosperous state which drew attention of Mughals. Mughal General, Khwaja Abdul Majid Asaf Khan invaded the Rani's state and she decided to defend her kingdom and to fight a defensive battle at Narrai, situated between a hilly range on one side and two rivers Gaur and Narmada on the other side. It was an unequal battle against the might of Mughal army.

The Mughal army was made to move back three times, before Asaf Khan introduced canons into the battle. Her son Veer Narain was seriously wounded and had to retire to a safe place. In the course of the battle, Rani also got injured badly near her ear with an arrow and another arrow pierced her neck and she lost consciousness. On regaining consciousness she perceived that defeat was imminent. Her mahout advised her to leave the battlefield but she refused and took out her dagger and killed herself on 24 June 1564. Her martyrdom day (24 June 1564) is commemorated as "Balidan Diwas". She is revered in this region and Jabalpur University is named after her.

A sculptor impression of Rani Durgawati



Chausath Yogini Temple



Bhawartal Garden



Madan Mahal Fort

Unlock the Power of IEI Corporate Membership: Elevate Your Engineering Career

The Institution of Engineers (India) is the only multidisciplinary (encompassing 15 engineering disciplines) body of professional engineers incorporated under Royal Charter since 1935.

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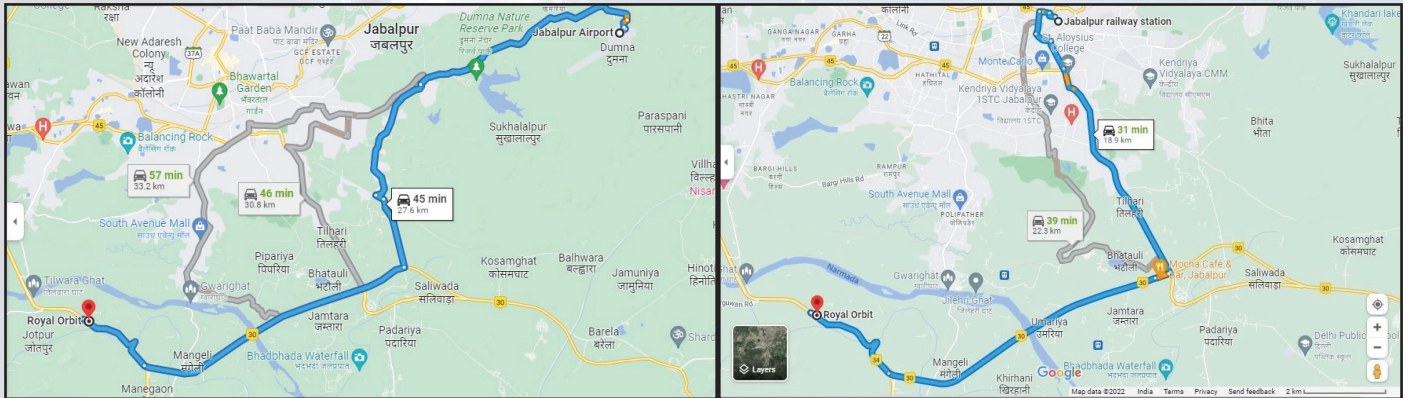
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